

ABSTRACT OF THE DISCLOSURE

The present invention relates to a method, system and node for providing enhanced mobility in Simple IP telecommunication networks when performing L2TP tunneling. A mobile station establishes a connection with a first service node in the telecommunication network. This connection is then extended from the first service node to an endpoint, or terminal node, in the telecommunication network. Upon an establishment of a connection between the mobile station and the terminal node via the first service node, a unique address is assigned to the mobile station at the terminal node. Upon roaming of the mobile station from the coverage area of the first service node to that of a second service node in the telecommunication network, continuous connectivity is ensured between the mobile station and the terminal node by establishing a new connection between the mobile station and the second service node, and extending the established new connection from the second service node to the terminal node. Upon an establishment of a new connection between the mobile station and the terminal node via the second service node, the unique address is re-assigned to the mobile station at the terminal node. The connection between the mobile station and the terminal node via the first service node is then terminated.